RECORD

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7804 – 8912

P. A. Munz
Pomona College
Claremont
Calif

H vy
6d

Trip to Holtville Region,

7804 Ceanothus tomentosus Parry

5 " crassifolius Torr.

6. Ribes indecorum Eastw.

7 Hesperocallis undulata Wats

8 Encelia eriocephala

9. Oenothera trichocalyx

10 Plantago

11 Cryptanthe

12 Abronia villosa Wats

13 Oenothera ~~brevipes~~ scapoidea Nutt.

14 Baileya pauciradiata Harv. & Gray

15 Palafoxia linearis (Cav.) Lag.

16. Hibiscus denudatus Benth.

17 Sphaeralcea

Imperial Co. Feb 22-24 1924.

Chaparral near Pala, S. Diego Co. 2-22-'24

" " " " "

" " " " "

sandy desert, 25 mi. east of Holtville 2-23-24

" "

" "

" "

" "

" "

" "

" "

" "

rocky slope, foot of Mountain Springs Grade 2-23-'24

sandy desert. west of Dixieland "

7818 Asclepias albicans Wats.

19 Physalis crassifolia Benth. edge of

20 Notholaena californica Eaton

21 Cheilanthes viscida Davenp.

22 Mirabilis californica var. glutinosa Jepson

23 Ephedra californica Wats.

24 Eriogonum

25 Pholisma arenarium Nutt.

2-23-24.

with 7816

of sandy wash, foot of Mt. Springs Grade

under overhanging rocks, with 7816

" " " "

" " " "

" " " "

with 7807

Mohave Desert with
D. Keck (and G. Savage)

7826 Parosela spinosa (Gray) Heller

27 Cryptantha —

28 " —

29 Gilia —

30 Eriophyllum —

31 Nama demissum Gray

32 Sphaeralcea —

33 Ellisia membranacea

34 Phacelia ~~tanacetifolia~~ Benth

35 Mentzelia albicaulis var

36 Lupinus concinnus var
desertorum

37 Phacelia hispida Gray

38 Encelia farinosa Gray

39 ~~Calycoseris~~ Parryi Gray

Sandy wash 7 miles east of Daggett
Newberry Mts.

" " "

" " "

" " "

disintegrated granite "

sandy wash "

edge " "

shelter of rocks, along wash "

wash ~~and dry slope~~ (shelter of bushes) "

~~dry slope~~, sandy ~~edge~~ of wash "

sandy wash "

shelter of bushes, sandy wash "

edge of wash "

" "

Smaller plants simple; pilose pubescent throughout (lower stem short gland (leaves pale

7840 Oenothera brevipes

clear bright yellow, somewhat paler at base; stigma occasional small reddish spots

41 " chamaenaeroides

see top of page 12

42 Coreopsis Bigelovii Gray

43 Eschscholtzia minutiflora Greene

44 Chaenactis stevioides H & A

45 Cryptantha pterocarya

45a "

46 Wedeliella incarnata (L) Cockl.

47 Mentzelia tricuspis

48 Mohavea confertiflora (Benth) Heller

49 Phacelia crenulata

50 ~~Cryptantha~~ Plagiobothrys Jonesii Gray

51 Aster tortifolius (T & G) G

52 Parosela mollis

april 6 - 1924

; larger branching from base,
even on ovaries | stems & ovaries & petioles redder
star - pubescent pubescent
green, with numerous darker blotches sometimes purplish tinge

flattened round knob; stamens 8 yellow, flattened,
calyx pilose yellow ; anthers versatile

both in wash, Newberry
Mt, 7 miles east of Daggett

gravelly wash

" "

" " " "

" "

dry exposed slope, edge of wash

" " " " " "

" " " " "

wash

"

dry slopes

gravelly wash

7853 Gilia —

54 ~~Cymopterus~~ panamintense Rose

55 Phacelia
(erect)

56 Gilia setosissima punctata Gray
lavender (purple penciling)

57 ~~Trichoptilium~~ incisum Gray

58 Phacelia rotundifolia Torr

59 Nemacladus rigidus. ~~ramosissimus~~
var rubescens (Greene) Munz

60 Phacelia
erect

61 Brickellia desertorum Coville

62 Mirabilis calif var. retrorsa Jeps

63 Salvia mohavensis Greene

64 Hofmeisteria pluriseta Gray

65 ~~Ellisia membranacea~~ Benth
prostrate

gravelly wash

about rocks, high slope, Newberry Mts

shelter of rocks along wash

~~dry~~ gravelly wash

dry slope

Newberry April 7 - 1924
rock-crevice

gravelly wash

~~shelter~~ rocks

gorge Newberry Mts. 4-7

"

"

"

under protecting rocks in 4-7
gorge

calyx short white -
bud-cluster nodding
filaments white, not flat

Oenothera epilobioides frequently

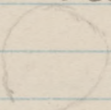
(7841) stems and ovaries glandular-pubescent
leaves reddish tinged, especially

Road from

7866 Tropidocarpum gracile Hook

67 Nicolletia occidentalis Gray

68 Glyptopleura acaulis Gray



69 Oenothera campestris Greene

bright yellow, 2 faint reddish spots at base
4 stamens long, 4 short, filaments not
soft pilose pubescent, deciduous epi-

70 Thelypodium

71 Mentzelia —

72 Calycoseris Parryi Gray

73 Eschscholtzia glyptosperma Greene

74 Monoptilon bellioides (Gray) Hall

75 Gilia setosissima punctata Gray

76 Cryptantha —

pubescent; calyx pinkish in color especially on veins
petals white or with pinkish tinge
anthers versatile
branched just above base, spreading branches
and reddish-tinged
along midrib.

Barstow to Silver Lake, | April 8-1924
camp in Granite Mts
gravelly wash
sandy wash 10 m. s. w of Garlic Spgs

" "

" "

of each, & 8 brown spots, 1 base of each filament
flattened; stigma spherical, yellow
dermis; leaves pubescent; capsules

" "

" "

" "

" "

" "

dry gravelly slope, edge of wash

" "

7877 Eriophyllum ambiguum Gray

78 Eschscholtzia minutiflora Wats

79 Coreopsis Bigelovii Gray

80 Oenothera brevipes Gray

81 " " white, pinkish when some red blotches on leaves & stem.

82 Eriogonum —

83 Stillingia linearifolia Wats

84 Lepidium —

85 Phacelia crenulata Torr

86 aster tortifolius (T&G)

87 Malacothrix Coulteri, Gray

88 Pectocarya penicillata var. heterocarpa Johnston

89 Cleomella obtusifolia Torr. & Frem.

90 ~~Stillingia~~ Oligomeris ~~glaucescens~~ linifolia (Vahl)

sandy wash & gravel slope, 10 mi SW
of Garlic Springs

"

"

"

old, calyx-tube reddish, leaf margins red
stigma spherical, yellow; stamens 2 sets (1 long, 1 short) " not flat.

"

"

"

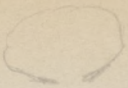
"

dry slope
Garlic Springs April 10-1924
gravelly soil somewhat alkaline

" "

" "

" "



7891 Oenothera petals white, in age; plant glabrous; stamens fils rather broad but not flattened calyx-tube ~~abod~~ lobes tinged reddish throat of flower with rich brown leaves pale green, occasional dark petioles reddish tinge

92 Rafinesquia californica Nutt

93 Gilia Matthewsii Gray

94 Eremocarya micrantha Greene

95 Mentzelia albicaulis Dougl. var

96 Acronychia Cooperi T. & G.

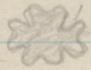
97 Oenothera ——

98 Palafoxia linearis Lag

99 Cryptantha —

7900 Stillingia annua Muell

1 Malvastrum rotundifolium Gray

Turning rose-pink | Garlic
equal, anthers versatile
Stigma round, ~~yellow~~ (occasionally brown)
quite green in bud
maltese cross 
blotches, stems v

Garlic Springs April 10

" "

Silver Lake April 9
sandy wash & small dunes

" "

" "

" "

" "

" "

" "

" "

" "

7902 Abronia pogonantha Heimerl

3 Astragalus lentiginosus Gray

4 Dithyrea californica Harvey

5. Oenothera primavensis Gray petals stamens

6. Encelia eriocephala Gray

7 Baileya pauciradiata Harv. & Gray

8 " multiradiata var pleniradiata (H & G) Coville

9 Stenotus linearifolius var. interior (Coville) Hall

10 Salvia mohavensis Greene

11 Eucnide urens Parry

12 Amsinckia tesselata Gray

13 Lupinus ——

14 Lepidium Fremonti Torr.

Sandy slope near Garlic Springs April 9

" " "

Red Pass wash near Silver Lake

obcordate, uniform bright yellow
equal, somewhat dilated; stigma 4-parted
with 7902 yellow-green

Silver Lake, small sand-dunes

" "

" "

Granite Mts, rocky slope

Near Silver Lake " "

edge of wash near Silver Lake

with 7909

" 7907

" 7904

7915 Oryzopsis hymenoides Ricker

16 Peucephyllum Schottii Gray

17 Philibertella

18 Chaenactis carphoclinia var. attenuata (Gray) Jones

19 Senecio monoensis Greene

20 Atrichoseris platyphylla Gray

21 Eschscholtzia glyptosperma Greene

22 Perityle Emoryi Torr.

23 Atriplex hymenelytra (Torrey) Watson

7924

Thelypodium

25 Gilia —

26 "

27 Eriophyllum Wallacei Gray

sand, edge of Red Pass

rocky slope " "

" " " "

gravelly wash " "

wash near Silver Lake

" Red Pass

" "

rocky slope, Silver Lake

" "

April 10.

sandy desert, 10 mi w of Barstow

" "

" "

" 20 "

7928 Eriophyllum Heermanni (Gray) Greene
29. Piptocalyx circumscissus (H & A)
30 Coreopsis Douglasii (DC) Hall
31 Oenothera campestris Greene
32 Gilia Parryae Gray
33 Salvia carduacea Benth
34 Lupinus —
dark blue
35 Spergularia salina ? Presl
36 Atriplex ~~hymenelytra (Torrey) Wats~~ semi patula ? L.
37 Oenothera brevipes —
fls. smaller & paler yellow than ordinary form, small brownish lower stem reddish; leaves
38 Tropidocarpum gracile Hook
39 Grindelia robusta Nutt

April 10

sandy desert 20 miles W. of Barstow

" " " "

" " " "

" " 20 " "

" " " "

" " " "

" wash 25 " "

garlic springs April 10
- alkaline spot!
" " garlic springs

near Garlic Springs April 9.

flecks at base of petals; capsules &
pale with ~~pale~~ reddish blotches.

open plains near Elizabeth Lake
April 11

edge of field, 3 miles N.W of San
Fernando " 11

7940 Berberis Nevinii Gray

7941 Gilia ~~depressa Jones~~ maculata Parish

gravelly region along wash
2 miles east of San Fernando 4-12

sandy wash, Coyote Holes, Morongo Pass,
San B'dno Co. April 20

Trip to San Diego County with
& Mr. Guy Fleming

7942 Collinsia bicolor Benth

43 Antirrhinum —

44. Cryptantha —

45 Astragalus leucostachys

46 Salvia apiana x mellifera ~~hyb~~

47 Dichondra occidentalis House

48 Salvia mellifera

49. Viola pedunculata T & G

50 Mimulus parviflorus (Greene) Grant
fls red

51 Antirrhinum Nuttallianum
var. effusum Gray

52 Baeria aristata f. anthemoides
(Nutt) Hall

53 Amorpha occidentalis Abrams

54 Amsinckia intermedia F & M

55. Coreopsis maritima (Nutt.) Hook

research students. May 9, 1924

Torrey Pines Park
shaded north-facing slope.

Torrey Pines Park
dry gravelly spots; erect

" " " " "

" " " sandy soil

" " "

" " " " "

" " " " slope

" " " under shrubs

" " ", from plant brought
from Santa Rosa Island, by Mr. Fleming

Torrey Pines Park; perennial, clambering
in shrubs

Torrey Pines Park; open ~~grassy~~ sandy
spots

T. P. Park; valley at base of north slope

" "; open soil

sea-bluffs; near Cardiff

7956 Oenothera bistorta Nutt

clear yellow, reddish-brown spot at base of each pe[tal]
just in throat; stamens pistil stigma all y[ellow]

57 Eschscholzia peeling off; white yellow; californica Cham.

58. Chorizanthe —

59. Lepidium —

---

60 Phacelia Parryi Torr.

61 " hispida Gray
(annual)

62. Lathyrus Alefeldi White

63 Caulanthus lasiophyllus (H & A) Payson

64. ~~Lomatium~~ dasycarpum (T & G) C & R

65 Lotus hamatus Greene
prostrate

66 Penstemon antirrhinoides Benth

67 Antirrhinum ~~strictum Gray~~

68 Nemophila Menziesii var. integrifolia Parish

69 Plagiobothrys californicus

May 9.

Torrey Pines Park ↗ open places
petal: 2 smaller ones each side of base of filament
yellow; petals obcordate; stem red, epidermis

Sea-bluffs; sandy soil; Cardiff

" " "

" " .

Lions Valley May 10
burn in chaparral

Lions Valley; burn in chaparral

" " in chaparral

" " burn " "

" " slope " "

" " " " "

" " " " "

" " burn " "

" " open spot " "

" " open " " "

7970. Mimulus Fremonti (Benth.) Greene

71 Scutellaria tuberosa Benth

72 Plagiobothrys californicus

73 Oenothera bistorta

74 " micrantha Hornem

75 " —

76 Pectocarya penicillata

77 Linum micranthum Gray

78 Lupinus —

79 Ceanothus divaricatus Nutt

80 Lathyrus Alefeldi white Bet. Barrett Dam & C

81 Salvia apiana Jeps "

82 Rosa californica "

83 Nicotiana Bigelovii Wats. "

Lions Valley; clearings in chaparral May 10

" " " " "

" " " " "

" " " " "

" " " " "

" "

" " "

" "

" " "

" " " " "

" " " " "

" " Chaparral

×Cottonwood Creek. May 10

~~[illegible]~~ "

"

"

7984 Salvia apiana Jeps

85 Lathyrus ~~strictus~~ Alfeldi White ~~splendens Kellogg~~

85a Pellaea mucronata

86 Lupinus albifrons eminens (Greene) = L. Buttoni Abrams

tall shrub 6-8 ft.

87 Helianthemum Aldersonii Greene

88 " "

light yellow.

89 Lathyrus splendens Kellogg

90 Salvia carduacea

91 Viola purpurea Kell ~~pedunculata~~

92 Antirrhinum Nuttallianum var. effusum Gray

93 Mimulus longiflorus Benth

94 Dicentra chrysantha Walp

95 Cheilanthes Clevelandii D.C. Eaton

96 Castilleja foliolosa H & A

Cottonwood Creek May 10

" " "

" "

" "

Tecate mt

"

"

Cottonwood Creek

Lions Valley

Barrett Dam, stony slope in chaparral

"

" "

"

" "

"

" "

" " "

7997 Lotus argophyllus ? (Gray) Greene
98 Lathyrus splendens Torr.
99 ~~Pluchea~~ sericea (Nutt.) Cov.
8000 Thysanocarpus laciniatus Nutt
1 Lupinus latifolius
2 Oenothera micrantha Hornem
3 Gnaphalium microcephalum Nutt.
4 Carex —
5 Godetia epilobioides (Nutt.) Wats
6 Antirrhinum glandular —
7 Apiastrum angustifolium Nutt
8 Gilia dianthoides Benth
9 Silene multinervia Wats
10 Malacothrix Clevelandi Gray

Barrett Dam May 10

Tecate

Bet Barrett Dam & Cottonwood Creek May 10

Barrett Dam

Below " "

" " "

" " "

Tecate Mt. burn in chaparral

" in.

"

"

"

"

8011 Nemacladus ramosissimus Nutt

12 Calandrinia Breweri Wats

13 Trifolium tridentatum Lindl.

14 Papaver californicum Gray

15 Lathyrus splendens
fls. rich claret red

16 Linaria ~~vulgaris~~ canadensis var texana

17 Mimulus brevipes Benth.

18 Antirrhinum strictum Gray

19 ~~Micropus~~ Stylocline californicus T. & M

20. Clarkia elegans Dougl

21 Microseris linearifolia (DC) Schultze

22 Penstemon ternatus Torr

23 Nemophila racemosa Nutt

24 Vequeria ~~deltoidea var. Parishii~~ laciniata Gray

Tecate Mt — burn in Chaparral — May 10

" — "

" — "

"

" — Potrero grade

" — burn

" — burn

" — "

Lyons Valley

Barrett Dam

Below " "

" "

" "

~~(Greene) Rose~~ " "

8025 Antirrhinum —

26 Ephedra californica Wats

27 Cuscuta —

28 Stillingia linearifolia Wats

29 Pityrogramma triangularis

30 Muhlenbergia microsperma Trin

31 Notholaena Newberryi

32 Selaginella Bigelovii Wats

33 Calochortus splendens Dougl.

34 ~~Papaver~~ Pentstemon californicus ~~Gray~~ Benth

35 Chaenactis artemisiaefolia Gray

36 Emmenanthe penduliflora Benth

37 Gilia multicaulis B

Tecate	burn	May 10
Cottonwood Creek		"
" on Eriogonum fasciculatum	
"	
~~Barrett~~ Dam	
"	
"	
"	dry rocky slope
Tecate Mt.	burn in chaparral
	"
	"
	"
	"

8038 Linum micranthum Gray

39 Ceanothus

40 Lupinus

41 Pectocarya setosa

42 " penicillata var genuina Gray

43. Collinsia concolor Greene

44 Senecio californicus DC

45. Lupinus concinnus

46 " concinnus var. agardhi an

47 Gilia floribunda Gray

48. Lotus grandiflorus var. mutabilis Ottley

49 Ceanothus crassifolius Torr?

50 Garrya Veatchii Palmeri (Wats) Eastw.

51 Ceanothus crassifolius Torr.

Tecate Mt   May 10
                    burn
Potrero Grade   "

"   "

near Jacumba

"   "

Summit above   "

"   "   "   gravelly open places

"   "   "   "   "

anus   "   "   , gravelly clearing

Above Jacumba

Potrero Grade, rocky places in chaparral

above Jacumba, chaparral

"   "   "

Potrero Grade

8052 Chamaebatia foliolosa
var. australis Brandegee
53. Athysanus pusillus H & A
54. Allium peninsulare Lemmon
55 Calochortus albus Dougl
56 Collinsia concolor Greene
57. Scutellaria tuberosa Benth
58. Zygadenus Fremonti Torr
59. Mimulus Parryi Gray
60 Chorizanthe fimbriata
var. laciniata (Torr) Jeps
61 Lathyrus splendens Kellogg
62 Penstemon antirrhinoides Benth
63 Stenotus linearifolius (DC) T & G
64 Romneya Coulteri var.
trichocalyx (Eastw.) Jeps
65 Cercocarpus —

Potrero Grade ; chaparral

" " burn

" " "

"

"

"

"

Summit "

Jacumba

Summit above J

Tecate M

8066 Cheilanthes californica

67 Cupressus Forbesii Jepson

68 Porophyllum gracile Benth.

69 Brickellia frutescens Gray

70 Pellaea mucronata DC Eaton

71 Encelia frutescens Gray

72 Penstemon antirrhinoides

73 Krameria canescens Gray

74 Lupinus concinnus var.

75 Eriophyllum confertiflorum (DC)

76 Trifolium gracilentum T. & G.

77 Salvia apiana Jeps.

78 Nemacladus ramosissimus var.

78a " "

79 Euphorbia melanadenia Torr.

Tecate M.

"

5 mi E. of Jacumba May 11

Banth

agardhianus

pinnatifidus (Greene) Gray; sandy wash
gracilis (Eastw.) Munz; gravelly banks

8080 Sphaeralcea rosacea M & J

81 Allium fimbriatum Wats
81 a Pectocarya gracilis var. genuina Jo
82 Gilia breviculа ?

83 Penstemon Clevelandi Gray

× 84 " Parishii Gray

85 ~~Penstemon~~ Lupinus excubitus Jones

86 " formosus var ?

87 " bicolor microphy-lly

88 "

89 Plagiobothrys calif. var. fulvus cen

90 Penstemon centranthifolius Benth

91 Oenothera —

92 Solanum Xanti var. glabrescens Parish

5 mi E. of J. May 11

na Johnston 5 mi E. of Jacumba 5-11
Cuyamaca Lake 5-11

near Buckman's Spring

"

above Jacumba, clearing in chaparral

" " " "

-llus " " " "

" " " "

es cens Johnston " " " "

" " " "

" " " "

s " " , clearing

8093 Eriodictyon lanatum Brand

94 Collinsia bicolor Benth

95 Nemophila Menziesii var integrifolia Parish

96. Calandrinia caulescens var. Menziesii (H. & A.)

97. Thysanocarpus curvipes Hook

98. Collinsia Childii Parry

99 Amelanchier alnifolia Nutt

8100 Ceanothus austromontanus Abrams

1 Lotus strigosus (Benth)

2. Viola chrysantha Hook.

3. Floerkea Douglasii R Br.

4. Veronica peregrina L.

5 Thermopsis californica Wats

6. Plagiobothrys

above Jacumba, chaparral

north-facing shaded slope; above Escondido

Descanso Creek

shaded slope

Cuyamaca Mts, ridge between Descanso Creek & Cuyamaca Lake.

"

"

Creek below Cuyamaca Lake

open pine woods bet. Julian & Cuyamaca Mts. "Type locality"
with 8097

low ground near Cuyamaca Lake

" " "

" " "

meadow " "

with 8096

8/07 Lupinus concinnus
var. optatus
8 " bicolor microphyllus
9. Montia perfoliata Howell
10 Plectritis macrocera T&G
11 Athysanus pusillus (H & A) Green
12 Pentachaeta aurea Nutt
13 Viola purpurea Kellogg
14 Pectocarya penicillata H & A
var. genuina
15. Trichostema lanatum
var. denudatum Gray
16 Pectocarya setosa Gray
17. Tellima affinis
18 Phacelia brachyloba Gray
19 Gilia ———
20 Osmorhiza brachypoda Torr

with 8096

"

"

"

"

"

"

clearing in chaparral near
Buckmans Spring
with 8114

"

with 8096

with 8114

"

with 8096

812 Viola lobata Benth.

22 Calyptridium monandrum Nutt

23 Zygadenus venenosus Wats

24 Collinsia parviflora Dougl

25 Castilleja ——

26 Vicia americana var. truncata

27 Trifolium

28 Lewisia brachycalyx Engelm

29 Yucca Whipplei Torr.
fls. purplish tinged.

30 Montia perfoliata ?

with 8096 at 5500 ft.
under firs, etc.

" 8096

meadow, Cuyamaca Lake

" Cuyamaca 8096

Cuyamaca Lake

with 8096

"

Cuyamaca Lake, low wet ground

In chaparral near Tecate Mt.

Descanso Creek

Between Banning & Idyllwild

8131 Castilleja —
brilliant scarlet

32 Penstemon centranthifolius Benth

33 Phacelia brachyloba Gray

34 Lotus strigosus (Nutt) Greene

35 Mimulus Fremontii (Benth) Gray
flo. magenta

36 Arabis perennans Wats

37 Mimulus guttatus DC
flo. yellow with reddish s

38. Lotus —

39 Hulsea vestita var. callicarpha (Wats)

40 Lupinus concinnus

41 Nemophila Menziesii var.
integrifolia Parish

42 Oenothera —

43 Ceanothus integerrimus H & A

44 " divaricatus Nutt

dry slope 18 miles from Banning

burn	, gravelly soil	"
burn	"	"
"	"	"
"	"	"
"	"	"
moist place	, burn	"
spots burn	, gravelly soil	"
"	"	"
"	"	"
"	, north-facing slope	"
"	gravelly soil	"
common	, dry slopes	"
"	"	"

8145 Montia —

46 Oenothera —

47 Viola purpurea Kell

48 Euonymus Parishii Trelease

—— ——

8149 Salix —

8150 Baeria microglossa (DC) Greene

8151 Nemacladus ramosissimus
var gracilis (Eastw) Munz

52 Cleome serrulata Pursh

53 Collinsia Parryi Gray

May 18 5000 ft

dry gravelly soil, 18 mi from Banning

" "

" ,

springy place, hillside, small canyon, 18 mi from Banning

Oak Glen March 9
San Bernardino Mts
along small brook.

Deadmans Point, Mohave Desert
under overhanging rocks
March 24-1924.

Coyote Holes, Morongo Pass, San Bdno. Co.
sandy wash. April 20-1924.

cleared field 1 mile north of Claremont
April 20-1924

burn in chaparral above Glen Ranch,
Lytle Creek. May 4-1924

Trip to Bear Valley

8154 Nemophila Menziesii var integrifolia Parish dry slopes

55 Collinsia

56 Viola purpurea approaching var. pinetorum (Greene)

57 Lupinus concinnus var. optatus

58 Phacelia Davidsoni Gray

59 Moss

8160 Stellaria ~~crispa C. & S.~~ longipes Goldie

61 Collinsia —

62 Polypodium vulgare var hesperium (Maxm)
clammy

63 Collinsia —
decumbent

64 Galium Brandegei Gray

65 Viola MacCloskeyi Lloyd

66 " adunca Gray

May 31

Burnt Mill Ranger Station
~~under pines of pine forest~~
"
" "
" "
burn in pine forest
" "
burn in pine forest
small stream near Green Valley

June 1.

Bluff Lake, moist banks
" , dry slope under pines
" , rock-crevices, northern
" , edge of meadow
" , wet meadow
" , " "
" , edge " "

8167 ~~Taraxacum~~ ~~Troximon~~ Taraxacum californicum M. & J.

68 Potentilla Wheeleri Wats

69 Viola chrysantha Hook.

70 Trifolium —

71 Lewisia nevadensis (Gray) Robinson

---

72 Cleomella obtusifolia T. & F.

73 Lepidium —
succulent leaves

74 Cirsium mohavense (Greene)

75 Astragalus —

76 " —

77 Orobanche
fls brown, yellow in throat

78 Plantago —

79 Arabis ~~Parishii~~ Parishii Wats

June 1

Bluff Lake, wet meadow

" edge "

" edge "

" in "

" " "

June 2

Box S Ranch
low alkaline spots
Cushingberry Springs
near water-trough
" meadow

Cactus Flat
dry gravelly slopes
Baldwin Lake
dry rocky slope
" "

[illegible] of lower lip
with 8176

8180 Eriogonum Kennedyi
var. austromontanum M & J
81 Erigeron concinnus
var aphanactis Gray
82 Lotus argyraeus Greene
83 Allium bisceptrum Wats
84 Potentilla biennis Greene
85 Cryptantha —
86 Castilleja —
87 Senecio ionophyllus Greene
88 Ephedra viridis Coville
89 Collinsia —
90 Cercocarpus ledifolius Nutt

Baldwin Lake
dry stony slopes

Baldwin Lake, edge of water
" , dry slopes
" "
Bear Valley, "
Baldwin Lake "
Bear Valley, near lake
Baldwin Lake, dry slopes

Palomar Mts with Persons & Alice

8191 Silene ~~platyota~~ verecunda var (Wats)

92 Chorizanthe procumbens Nutt

93 Silene laciniata Cav.

94 Gilia foliacea (Greene)

95 " viscidula Gray

96 " virgata var. floccosa Milliken

97 Pentacaena ramosissima H & A

98 ~~Hemizonia Astragalus~~

99 Hemizonia pungens (H & A) T & G

8200 Antirrhinum

01 Frankenia campestris Gray

02 Cuscuta —

3 Bebbia juncea (Benth) Greene

4 Stillingia linearifolia Wats

June 21 - 1924

frequent on dry slopes of ridge 5000 ft

Pala, frequent recently cleared field
with 8192

"

"

"

"

~~Temecula~~ yard at Pala mission

Temecula dried mud in low ground

Pala grade

Lake Elsinore, dried alkaline flat

on Cressa, Lake Elsinore

Temescal canyon ~~dry~~ sandy wash near ~~Lak~~ Lake
with 8203

8205 Pterostegia drymarioides F & M

6 Phacelia ramosissima var. suffrutescens Parry

7 " distans Benth

8 Delphinium cardinale Hook

9 Thalictrum —

10 Rubus parviflorus Nutt

11 Cryptantha —

12 Polystichum munitum (Kaulf.) Presl.

13 Galium angustifolium Nutt

14 Phacelia californica Cham

15 Antirrhinum Coulterianum Benth

16 Lathyrus Alefeldii White

17 Godetia quadrivulnera Spach

18 Calochortus splendens D

about rocks, high ridge
South of Doane Valley 5000 ft
with 8205

"

"

north-facing slope so. of Doane V. 4900 ft

" "

" "

about rocks, crest of Ridge 5000

" "

" "

" "

common among shrubs, " "

dry slopes, "

dry ridge " "

8219 Lupinus excubitus Jones

" 20 Pentstemon centranthifolius Benth

21 Silene verecunda var. platyota (Wats) Jeps

22 Bloomeria crocea Cov

23 Potentilla glandulosa var reflexa (Greene)

24 Collomia grandiflora Dougl

25 Prunus demissa (Nutt)

26 Rhamnus californica var. ~~tomentella~~ tomentella Brew & Wats

27 Asclepias —

28 Collinsia ~~tinctoria Hartweg~~ concolor Greene

29 Gilia

30 Osmorhiza nuda Torr

31 Corallorhiza maculata Raf

32 Clarkia —

6-22 —

common in dry slopes, so of D.V.

" " "

" " "

" " "

" among shrubs "

" " "

" high ridge "

" dry ridges "

" " "

" shaded slope "

frequent " "

" " "

" " "

" " "

8233 Ceanothus Palmeri Trelease

34 Cryptantha —

35 Agoseris retrorsa (Benth) Greene

36 Sisymbrium —

37 Pyrola dentata var. integra Greene

38 Rhododendron ~~californicum~~ occidentale Gray

39 Delphinium hesperium ? var. cuyamacae (Abrams) Jeps

40 Viola nephrophylla

41 Potentilla Bolanderi var Clevelandii (Rydb.)

42 Trifolium —

43 Arabis glabra Benth

44. Psoralea orbicularis Lindl.

45 Cornus Nuttallii Aud.

common on north-facing slopes.

" " ".

" dry slopes

occasional, pastures

" shaded slopes

frequent, moist slopes

occasional, woods near stream

frequent, wet banks

" meadows

" "

occasional wet "

common " "

frequent ~~along streams~~
base of shaded slopes

8246 Viola adunca J E Smith

47 Cornus californica C A Mey

48 Scirpus —

49 Carex —

50 Prunella vulgaris
var. lanceolata Fernald

51 Lotus crassifolius Benth

52 Lepidium bernardinum Abrams

53 Lupinus latifolius
banner brown fading toward edges
wings violet tinged blue, Keel white tipped w

54. Carex —

55 Lotus Davidsoni Greene

56 Habenaria leucostachys Wats

57 Euphorbia —

58 Rosa gratissima Greene

59 Penstemon labrosus Benth

occasional banks of brook 4800

frequent " "

occasional swampy meadow

frequent " "

occasional wet "

common dry slopes

frequent " "

commonaaliting brooks

yed brown.

wet banks

dry slopes

ts common wet meadow

local in cultivated field

" low meadow 4600

frequent dry slopes 4900

8260 Poa —

61 Hypericum formosum HBK

62 Chimaphila Menziesii Spreng

63 Sisyrinchium bellum Wats

64 Ranunculus californicus Benth

65 Gnaphalium

66 Juncus bufonius L

67 Cyperus —

68 Eleocharis acicularis R&S

69 Verbascum Thapsus L.

70 Epilobium —

71 Potentilla gracilis Nutt

72 Sidalcea malvaeflora Gray

73 Achillea Millefolium var. lanulosa (N

6-22-1924

frequent in meadow 4700

" " "

occasional dry densely shaded slopes

frequent wet meadows

" "

" disturbed places in meadow

" " " "

" " "

" " "

"

locally frequent about edge of meadow

frequent in meadow

" " "

" "

" "

"

8274 Apocynum androsaemifolium L

75 Barbarea ——

76 Luzula campestris DC

77 Mimulus brevipes Benth.

78 Pyrola aphylla Smith

79 Croton californicus Muell

80 Wyethia ovata T & G

81 Tellima affinis Boland

82 Montia fontana L.

83 Allium peninsulare Lemmon

84 Hulsea ~~heterochroma. Gray~~
vestita var. callicarpha (Watts) Hall

85 Collinsia ——

86 Vicia americana

87 Ribes Roezli Regel

6-22-1924

Palomar mts

dry slopes

wet meadow

" "

dry slopes

heavily shaded slope

dry slope

" gentle grassy slope

wet banks

" "

Local on ~~Slope~~ slope with Pteridium

dry slopes

shade near brooks

shaded slopes

" "

8288 Cerastium

89 Mimulus guttatus L

90 Gilia

91 Trichostema micranthum Gray

92 Hypericum anagalloides C. S.

93 Mentzelia —

94 Madia dissitiflora (Nutt) T. G

---

95 Lotus Douglasii var prostrata

96. Lotus strigosus (Benth.)

97 Eriophyllum confertiflorum var. trifidum (Nutt) Gray

98 Amelanchier alnifolia Nutt

99 Oenothera —

edge of wet meadow

edge of swampy meadow

disturbed soil in damp meadow

wet meadow

disturbed soil at base of slope

" dry slope

June 23

dry slopes in open places Doane Valley

disturbed place on rocky slope Doane Valley

rocky slope "

in masses at base of north slope French Valley

newly eroded places in dry meadow F. V.

8300 Layia platyglossa (F & M) Gray

1 Delphinium hesperium Gray
var. cuyamacae (Abrams) Jeps

2 Lupinus bicolor microphyllus

3 Erigeron foliosus Nutt

4 Gilia ciliata (Greene)

5 Lotus oblongifolius Torr.

6 Trifolium —

7 Montia chamissoi Dur. & Jacks

8 Cystopteris fragilis (L.) Bernh.

9 Sagina Linnaei Presl

10 Monardella macrantha Gray
var. Hallii Abrams

11 Trifolium microcephalum Pursh

12 Lonicera subspicata H & A
var. denudata Rehder

13 Calochortus concolor Purdy

June 23

with 8299

in dry meadow, French Valley

dry gentle slopes, near Doane Valley

" "

" French "

wet meadow French Valley

" near Doane V.

shade along small brook, Doane V.

wet sand; near stream, French Valley

dry slope among oaks, "

dry slope

high " Doane V.

8314 Osmorrhiza brachypoda Torr

15 Viola purpurea Kellogg

16 Thalesia —

17 Gilia —
yellow

18 Stellaria nitens Nutt.

19 ~~Frasera~~ Calochortus near venustus?

20 Frasera Parryi Torr.

21 Calochortus splendens Dougl.

22 Asclepias californica

23 Brodiaea synandra (Heller) Jepson

24 ~~Apocynum cannabinum L~~

25 Mimulus longiflorus Benth

26 Grindelia camporum Greene

27 Monardella macrantha Gray

shaded dry slopes, Doane Valley

8324
8190

134

dry " slopes

edge of dry meadow near "

edge " " " "

" " " " "

dry slope " "

" " "

" " "

dry meadow " "

near springy place near Palomar Hotel

June 24

Descanso Grade, dry rocky slope

Cuyamaca Lake, dry grassy "

Scenic View so. of Julian " rocky slope

8328 Viola lobata Benth

29 Ceanothus austromontanus Abrams

30 Salvia Clevelandi

31 Mimulus longiflorus Benth

32 Lotus americanus Bisch

33 Oenothera micrantha Hornem

34 " bistorta var Veitchiana Hook

35 Chaenactis artemesiaefolia Gray

36 Helianthus gracilentus Nutt

37 Trichostema lanatum Benth var. denudatum Gray

38 Lomatium —

39 Pteridium aquilinum var. pubescens

40 Rubus

41 Gilia densifolias Benth

June 24

Scenic view, with 8327, but only in shade of trees.
open dry slopes, Scenic View

Palomar Mts, grade above Henshaw Dam, dry rocky slope with 8330

"	"	disturbed areas
	"	"
	"	"
	"	"
	"	
	"	
	"	

ground-cover over great areas on upper parts of mts.
small stream, near Nellie.

dry slopes . " "

8342 Limosella aquatica L.

43 Lilaea subulata H.&B.

44 Cupressus Forbesii Jepson

---

45 Stachys —

46 Lotus oblongifolius Torr

47 Garrya pallida Eastw

48 Collinsia concolor Greene

49 Lathyrus Alefeldii White

50 Arceuthobium campylopodium
on P. Coulteri

51 " Cercocarpus —

52 Lonicera subspicata H.&A.
intermediate between Johnstoni + denudata

53 " subspicata H.&A.
var. Johnstoni, Keck

54 Corethrogyne

6-24

Cuyamaca Lake, mud edge of water

" , springy place near south end of lake

Guatay, north slope of mt, | at least 2 good groves and many scattered trees.

6-25

Laguna Mts., edge of meadow near Laguna Camp

springy place "

dry slope, canyon above "

shaded " " " "

in chaparral, dry ridge "

Engelm. near Laguna Camp

dry ridge " " "

" " "

" " "

dry slope " "

8355 Calochortus concolor Purdy

56 Thalesia —

57 Silene ~~s~~ verecunda
~~var~~ platyota (Wats) Jeps

58 Thalictrum —

59 Osmorhiza nuda Torr

60 Sidalcea ~~malvae~~ flora Gray

61 Monardella nana
var. leptosiphon Abrams

62 Arabis —

63 Castilleja —
rocky slopes

64 Erigeron divergens T. & G.

65 Juncus macrophyllus Coville

66 Barbarea orthoceras Ledeb

67 Castilleja
diluted tomato color

lightdry slope, near Laguna Camp

" "

" "

partly shaded slope "

" " "

" " "

rocky slopes "

shaded slope "

rocky " " "

dry slopes "

base small ravine "

" " " "

" " " "

" shaded slopes

8367 Euphorbia Palmeri Engelm
68 Convolvulus
69 ~~Lotus~~ Davidsoni Greene
70 Taraxacum vulgare (Lam.) Schrank
71 Viola purpurea Kellogg
72 Eremocarya —
73 Koeleria cristata L.
74 Caulanthus amplexicaulis Wats
75 Hymenopappus Wrightii Hall
76 Psoralea rigida Parish
77 Thermopsis californica Wats
78 Wyethia ovata T. G
79 Brodiaea synandra (Heller) Jeps
80 Calochortus splendens Dougl.

dry partly shaded slopes, Laguna Camp

" " "

" " "

moist meadow "

dry shaded slopes "

" " "

" " "

" " "

" " "

dry slope, near edge of ridge "

" gentle slopes "

" " " "

small grassy flat " "

dry gentle slopes " "

8381 Psilocarphus globiferus (Bert) Nutt

82 Allocarya —

83 Lupinus concinnus

84 " bicolor microphyllus

85. Caucalis microcarpa H. A

86 Sanicula tuberosa Torr.

87 Collomia linearis Nutt

88 Polygonum amphibium L

89 Mimulus —

90 Marsilea vestita H & G

91 Limosella aquatica

92 Elatine —

93 Zannichellia palustris L.

94 Veronica peregrina

dried mud, near Laguna Camp

" "

disturbed area, dry slope "

" " "

under trees " "

" " "

" " " "

pond, Laguna Lake "

mud, edge of " "

" " " " "

" " " "

" " " "

water " "

mud " "

8395 Grass, mud edge, Laguna Lake

Laguna mts. Vallecito Canyon. 6-26

96 Monardella macrantha Gray, dry slope at head of canyon

97 Psoralea macrostachya DC along stream, 3500 ft

98 Scirpus cernuus Vahl., mud " , 3000 "

99 Senecio, wash 3500

8400 Symphoricarpos Parishii Rydb, dry shaded slopes, head of canyon

1 Ericameria cuneata var. spathulata (Gray) Hall, dry rocky walls, 4500 ft

2 Pentstemon ternatus Torr, dry rocky slopes, chaparral, 4000 ft

3 Ceanothus ~~perplexans~~ Trelease, with 8402

4 Garrya pallida Eastw "

5 Arctostaphylos drupacea Torr "

6 Cheilanthes Covillei Maxon about rocks, 4000 ft

7 Cercocarpus with 8402

List of plants seen in Palomars
(aside from those collected)

Pteridium aquilinum (ground cover over great areas
Pityrogramma   Equisetum arvense
Pellaea mucronata
Thelypteris arguta
Abies concolor abundant
Libocedrus   "
Pinus Coulteri ~~occasional~~, only at east pure stand. ind when common
" Jeffreyi - French Valley
Pseudotsuga
(on summits, absence of pines very noteworthy)
Yucca Whipplei on sides
Lilium Parryi & Humboldtii
Veratrum common in ciénegas
Bloomeria
Brodiaea capitata
Sisyrinchium
Habenaria unalaschensis ?
Alnus, Quercus Kelloggii (the dominant tree
Q. chrysolepis (largest specimens & parv seen 6-8 ft. thru on slopes
Q. dumosa ?
Urtica holosericea
Polygonum aviculare | roadside
Rumex salicifolius
Eriogonum fasciculatum
" possibly umbellatum ?

Chorizanthe laciniata
Montia perfoliata v nonperfoliata
Arenaria Douglasii
Silene antirrhina
Aquilegia, Paeonia
Platystemon Dicentra
Thysanocarpus curvipes
Erysimum asperum
Radicula Nasturtium-aquat
Fragaria californica
" (cultivated one) gone wild
Agrimonia gryposepala ?
Adenostoma fasciculatum
Rosa californica
Astragalus Parishii (common)
~~Lotus~~ americanus
Photinia arbutifolia
Prunus emarginata
Erodium cicutarium
Eremocarpus
Rhus diversiloba ground cover
" ovata (Henshaw grade)
Ceanothus divaricatus
" oliganthus ?
Helianthemum Aldersonii
Oenothera Hookeri
Gayophytum
Rhododendron occidentale
Styrax
Fraseria Parryi

Palomar

Asclepias mexicana
Gilia gilioides
" abrotanifolia ?
Nemophila integrifolia
Emmenanthe (Henshaw grade)
Turricula Parryi
Verbena prostrata
Monardella lanceolata
Salvia Columbariae
" apiana
Solanum Xanti var.
Scrophularia
Pentstemon spectabilis | Henshaw
" ternatus | grade
" cordifolius |
Mimulus moschatus
Castilleja stenanthe
Veronica peregrina
Plantago major
Galium aparine
" Andrewsii
Sambucus glauca
Symphoricarpos mollis
Echinocystis macrocarpa
Heterocodon rariflorum
Uropappus
Sonchus asper
Lactuca Scariola var. integerrima

Ericameria Parishii
Hazardia
Corethrogyne
Hemizonia Wheeleri
Layia
Artemisia heterophylla
" dracunculoides
Cirsium Drummondi acaulescens
" calif

Vallecito Canyon, Laguna Mts
6-26-1924

8408 Cercis occidentalis Torr., frequent in chaparral from 3500-4500 ft.

9 Sambucus, in canyon at 4000

10 Eriodictyon lanatum Benth, frequent in chaparral, dry slopes 3000-5500

11 Ceanothus divaricatus, with 8410

12 Fremontia californica Torr, lower slopes of chaparral

13 Umbellularia calif T, along canyons 3000-4500

14. Amorpha occidentalis Abrams " 3500

15 Pteridium aquilinum var pubescens, near springy place 4000

16 Woodwardia Chamissoi Brack, along stream 4000

17 Apocynum cannabinum L " 3800

18 Quercus Wislizeni A.DC., canyon hard bark 3500

19 Quercus, in canyon 3700 soft gray bark; acorns of dumosa

20 Acacia greggii Gray, in canyon 3500

21 Rhamnus tomentella, canyon 3800

8422 Solanum nigrum L

23 Mirabilis Froebelli Greene

24 Monardella linoides Gray

25 Boerhaavia hirsuta Willd

26 Zauschneria —

27 Croton californicus Muell var. tenuis Fergs.

28 Lemna —

29 Allium —

30 Viola chrysantha Hook

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31 Pentstemon centranthifolius Benth

32 Iris missouriensis Nutt

33 Pentstemon labrosus Benth

34 Pentachaeta aurea Nutt

Vallecito Canyon
Laguna Mts 6-26-1924

near stream 3500 ft

dry slopes in chaparall 3000-4000 ft

" " " "

canyon bottom "

single plant, stony canyon bottom, 3500 ft

dry open places 3500 ft

in stream "

dry partly shaded slope, at head of canyon 5000 ft
with 8429.

6-27

dry open slopes, Laguna Camp

meadows about Big " Lake

shaded slopes, near " Camp

dry " " " "

8435 Epilobium paniculatum Nutt.

36 Cardnus Drummondi var acaulescens (Gray) Coville

37 Astragalus

38 Lilaea subulata H. B

39 Frasera Parryi Torr.

40 Galium angustifolium Nutt

41 Dendromecon rigidum Benth

42 Arctost aphylos drupacea McBr

43 Garrya Fremontii Torr.

44 Linanthus

45 Agoseris plebeia Greene yellow

46 Ranunculus aquatilis L

47 Trifolium Wormskjoldii Lehm

48 Stachys bullata Benth

meadow, Laguna Camp

" "

dry gentle slopes "

muddy banks, small stream, Laguna Camp

Monument Peak, dry slopes

" "

" "

" "

" "

dry gentle slopes, Laguna Camp

" "

in small pool, stream, "

wet meadow, 2 mi so. "

" " "

8449 Chaenactis glabriuscula
var. tenuifolia (Nutt.) Hall

50 Gilia floribunda Nutt.

51 Eriophyllum confertiflorum
(DC) Gray

52 Trichostema lanatum
var. denudatum Gray

53 Solanum Xanti Gray "

54 Pinus quadrifolia Par. "

Laguna mts 6-27-1924

dry gentle slopes, near Laguna Camp

" "
great masses
dry slopes "

edge of ridge overlooking desert
near Ranger station

"

"

List of plants seen in

V = Vallecito

Pityrogramma △ V
Polystichum munitum V
Pinus ponderosa (small amt.)
" " var. Jeffreyi (dominant)
Calochortus albus
Smilacina V
Yucca mohavensis | Vallecito Canyon
" Whipplei
Bloomeria common
Brodiaea capitata
Lilium Humboldtii ?
Anemopsis V
Populus Fremonti ? V
Quercus Kelloggii common
" agrifolia V
" dumosa V
Eriogonum fasciculatum
" elongatum V
Ranunculus same as Palomars
Clematis pauciflora ? V
Delphinium cardinale V
" decorum ~~V~~
Umbellularia V
Athysanus pusillus
Thysanocarpus
Lepidium intermedium
Erysimum asperum

Laguna Mts of which
I have not made specimens

Horkelia white - (same as in Palomars)
Potentilla gracilis
Drymocallis glandulosa
Adenostoma fasciculatum
Rosa calif
Lupinus Grayi
" formosus
Trifolium tridentatum
Vicia americana
Lotus strigosus
" scoparius V
" decorus V
" oblongifolius
" crassifolius
Platanus V
Amelanchier common
Prunus ilicifolia V
" Fremonti V
Acacia Greggii lower V
Prosopis " V
Linum Lewisii
Rhus ovata V
" trilobata V
" diversiloba V
Condalia Parryi V
Ceanothus Palmeri
Rhamnus ilicifolia V upper

Vitis Girdiana
Hypericum formosum
Opuntia basilaris
" occidentalis
" echinocarpa? (tubercles 2x long as wide)
Cereus Engelmannii
Zauschneria latifolia?
Clarkia rhomboidea
Gayophytum
Tauschia arguta
Asclepias eriocarpus
" calif.
Navarretia small white
Microsteris Calif
Gilia densifolia
" floribunda
Phacelia calif
Turricula Parryi
Trichostema Parishii
Salvia apiana ✓
Datura metaloides
Solanum Xanti
Penstemon spectabilis ✓
" microphyllus ✓
Mimulus guttatus
Plantago major
Galium Andrewsii

Symphoricarpos mollis
Plectritis macrocera
Sonchus asper
Brickellia calif V
Gutierrezia
Solidago calif
Stenotus interior V
Baccharis sarathroides? V
Madia dissitiflora
Layia platyglossa
Helianthus gracilentus
Encelia frutescens V
Viguiera deltoidea Parishi V
Eriophyllum confertif
Chaenactis (tall, erect, yellow)
Achillea
Artemisia tridentata
"
Cirsium calif.

Trip to Santa Ana River,

8455 Carex —

56 Carex —

57 Agoseris —

58 Trifolium tenerum —

59 Mentha —

60 Trifolium Worms —

61 Juncus

62 Galium multiflorum

63 Epilobium glaberrimum Barbey

64 Geranium —

65 Erigeron foliosus Nutt

66 ~~Drymocallis~~ Potentilla glandulosa var reflexa (greene)

67 Sagina Linnaei Presl.

San Bernardino Mts July 13

Munz & Johnston

bank of small creek		6300 ft.
"	"	"
"	"	"
wet stream-bank		"
"	"	"
"	"	"
"	"	"
stony dry bank		"
wet stream bank		"
"	"	"
dry stony bank		"
wet stream	"	"
"	"	"

8468 Alnus rhombifolia bernardina M.J
Type PC Herb 46794

69 Lappula —

---

70 Heracleum lanatum Micht

71 Oenothera —

72 Gilia —
—

73 Carex —
culms 4 ft. long.

74. Carex —

75. Actaea spicata var arguta Torr

76 Pyrola pallida Greene

77 Cardamine ———

78 Lotus argyraeus Greene

79 Taraxacum californicum M.J.

80 Chenopodium Fremonti Wats

July 13

Santa Ana River, Jct with South Fork, along stream 6300 ft
dry ~~stony~~ slope

July 14

Fish Canyon, ~~along~~ moist creek bank 6700 ft

Santa Ana R.; dry disturbed bank 6350

Fish Canyon, dry gravelly slopes

" , rank clumps along stream bank (6750 ft

tufts with 8473 6750 ft

stream bank, Fish ~~Canyon~~ Creek 6750 ft

dry slopes under pines " 7500

one plant, wet bank, " 7200

dry gentle slopes, " 8200

meadow " 8000

dry sandy soil, edge of ciénega 8100

8481 Arabis —

82 ~~Chenopodium~~ Carex —

83 Chenopodium

84 ~~Helenonium~~ Bigelovii Gray

85 Geum macrophyllum Willd

86 Habenaria leucostachys Wats

87. Carex. —

88. Thalictrum —

89 Antennaria speciosa E. Nels.

90 Saxifraga arguta D. Don

91 Trisetum spicatum (L.) Richt

92 Pyrola pallida —

93 Monardella —

94 Silene Parishii Wats.

July 14

sunny hillside, Fish Creek 8000 ft

edge of brook, cienega " 8000 ft
& common in wet meadow
with 8480

wet meadow & along stream 8100 ft

under willows, edge wet meadow "

edge of brook, Fish Creek 8200 ft

grassy bank of brook, " 8200 ft

with 8485

edge of meadow, Fish Creek 8200 ft

locally common, ~~edge~~ wet banks of brook, Fish 8200 ft

~~along~~ & dry banks of stream, Fish Creek 8100 ft

dry slopes under pines, " 8500 ft

" " " 8700

rocky " " " 8700

8495 Linum Lewisii Gray

96 Lotus Davidsoni Greene

97 Salvia carnosa var. compacta Hall

98 Tetradymia canescens DC

99 Cryptantha aspirella

8500 Carex Hassei —

1 Epilobium ursinum Parish

2 Carex —

3 Antennaria speciosa (E. Nels.) Hall

4 Eriophyllum confertiflorum (DC)

5 ~~Gilia aphanactis~~ Erigeron concinnus var. aphanactis Gray

6 Polygonum Douglasii Greene

7 Piptocalyx circumscissus Torr

8 Carex —

July 14

rocky crest of ridge, upper Fish Creek 9000 ft.
dry slope under pines, " 9000 ft

dry rocky crest of ridge " 9000 ft

" 9000

divide between Fish & Mission Creeks 8700
cienega, head South Fork of Mission Creek 8500 ft
with 8500

"

dry parts of cienega, head of South Fork of Mission Creek 8500 ft
dry gravel floor of pine forest 8200 ft
divide bet Mission & Fish Creek
with 8504

dry ground, cienega " 7600

with 8505

dry portions of Big Meadows of Santa Ana 2000

8509 Erigeron leucophyllus Hook.

10 Deschampsia —

11 Amelanchier alnifolia Nutt

12 Muhlenbergia filiformis Rydb

13. Poa —

14 Gilia pungens Hook

15 Senecio ionophyllus var sparsilobatus (Parish) Hall

16 Draba corrugata Wats

17. Populus tremuloides Michx

18 Scirpus microcarpus Presl

8519 Stachys albens —

8520 Epilobium spicatum

8521 Equisetum —

July 14

wet meadow, Big Meadows, Santa Ana 7000 ft

" " "

dry slope, " " 6900

disturbed places " " 7000

wet meadow " " "

dry slope, head of Fish Creek 9000

base of shaded slopes, near Big Meadows 7000
with 8515

gentle slopes in Fish Creek 7000-7300

wet draw, Big Meadows 7000

edge brook Fish C 6750

do 6750

do among bushes 8500

8522 Carex —

23 Selaginella Watsoni Underw

24 Senecio ionophyllus var. sparsilobatus (Parish) Hall

8525 Draba corrugata Wats

6 Gilia —

7 Habenaria sparsiflor Wats

8528 Veronica americana Schwein.

29 Veronica —

8530 Castilleja —

8531 do montana —

8532 Lupinus formosus var ?

8533 Arabis —

8534 Lilium Parryi Wats

July 14

moist spot on canon side Fresh C. 9000

dry rocky canon side do 9000

upper parts Fresh Cr. open rocky slopes 8500-9000

do

dry open canon floor Mission-Fresh Divide 8700

S Mission Cr in marsh one plant 8500

do common 8500

do frequent 8500

do dry soil under pines common 8500

do in marsh about willow common

Mission-Fresh Divide common on flat 8700

Fresh C. in meadow 7600

S. Mission Cr in marsh rare 8500

8535 Epilobium —

36 Potentilla Wheeleri Wats

37 Hulsea

8538 Corallorhiza maculata Raf.

39 Euphorbia Palmeri Engelm

8540 Pyrola asarifolia
var. incarnata (Fisch.) Fernald

41 Stellaria crispa C & S

42 Ranunculus Cymbalaria Pursh

43 Luzula —

44 Viola Macloskeyi Lloyd

45 Botrychium Lunaria (L.) Sw

8546 Erigeron —

8547 Monardella linoides Gray
var. stricta Parish

July 14

Fish Cr	wet meadow	8500
do	do	do
do	broad gravelly cañon	8650
do	gravelly dry cañon side	9000
do	head of cañon dry open flat	8700
do	wet meadow in shade salix locally abundant	~~7~~7600
"	shake, willow, cienega	7600
do	wet meadow	7600.
do	creek bank	7400
do	marsh	7600
S Fk Mission	rave in meadow	8500
Fish Cr.	dry open cañon head	8600
Bet Big Meadow & Fish Cr	dry slope	7500

8548 Heuchera elegans Abrams

8549 Epilobium —

8550 Agrostis —

51 Carex —

52 do —

53 Achillaea

8554 Blennosperma gracilis ~~Gray~~ Nutt

8555 Liverwort ?

56 Montia —

57 Arenaria saxosa ~~Gray~~

58 Ribes cereum Dougl.

59 Amsinckia californica Nutt

near Big Meadow	rock ledge on N-slope	7000
Big Meadow	in marsh fragment	7000
do	in meadow	do
do	bog in meadow	do
do	wet meadow	do
do	meadow odd plants with purple rays	do
do	meadows	do

July 15

In water, Lost Creek		6400
shade,	"	"
" , dry slopes	"	6600
do	do	do
dry slope	do	6700

8560 Chaenactis santolinoides Greene

8561 Mimulus cardinalis Dougl.

62 Osmorrhiza nuda Torr.

63 Rubus leucodermis Dougl.

64 Ribes nevadense Kell.

65 Penstemon Bridgesii Gray

8566 Pyrola asarifolia Michx
var incarnata (Fisch) Fern

8567 Habenaria —

8568 Botrychium Lunaria (L.) Sw

8569 Epilobium glaberrimum Barbey

8570. Galium —

8571 Barbarea —

8572 Rumex salicifolius Weinm —

July 15

dry rocky canon side	Lost Creek	6800
dank streambank	do	7000
dry rich soil under trees	do	6700
gravelly soil in canon	do	7000
shrub along stream	do	7000
dry slope	do	7600
mossy banks along creek	do	7400
same		
well drained bank creek	do	7400
creek bank	do	7200
shade along creek	do	7200
wet sand along stream	do	7200
wet sand along creek	do	7200

8573 Juncus —

8574 Mimulus —

8575 Luzula —

8576 Arceuthobium —

77 Polemonium coeruleum L.

78 Gentiana humilis Stev.

79 Castilleja cinerea Gray

80 Antennaria speciosa (E. Nels.) ~~[illegible]~~

81 Veratrum californicum Durand

82 Pyrola ~~asarifolia~~ ~~rotundifolia~~ ~~var.~~ incarnata (Fisch.) Fernald

83 " minor L.

84 Selaginella ~~watsoni~~ ~~[illegible]~~

85 Cystopteris fragilis (L.) Bernh

86 Senecio ^ionophyllus var sparsilobatus (Parish) Hall

· with last Lost Creek 7800

abundant along creek do 7200

moist bank along creek do 7000

on fir (one clump) do 7000

South Fork, Santa Ana 8300
wet meadow
with 8577

East Fork, Lost Creek, exposed ridge crest
common at 9500
with 8579

East Fork, Lost Creek, cienega 9000

" " , common under 9300
willows

" " 9000
frequent in shaded canyon bottom to 9200

~~East~~ Headwaters of West Fork, 9500
Lost Creek, dry rocky slope

Head " " , wet bank 9000

" " " , frequent dry slopes under pines 9000

8587 Delphinium scopulorum var glaucum Gray

88 Senecio triangularis L

89 Grass (Poa supina)

90 Carex —

91 " —

92 Poa supina —

93 Carex Halleri —

94 Silene Parishii Wats

95 Heuchera —

96 Apocynum androsaemifolium L

97 Taraxacum californicum M & J

98 Lilium Parryi Wats

99 Nicotiana attenuata Torr.

July 15

South Fork, infrequent in dense clumps along stream 8300

Head of Lost Creek, abundant in meadows 9000

Head of Lost Creek frequent in rocky places under pines 9000

→ ~~Lost~~ Creek, forming dense colonies along stream 8400
with 8590

Lost Creek, fork; rocky bench near creek 8400
" moist sand along creek 8400
" rocky slope 8900

East Fork, Lost Creek rocky ledge 8900
" " , dry gravellish bench 8500
" " , wet bank 8500

Lost Creek, moist bank 8200
" , dry open place 6500

8600 Chamaenerion angustifolium (L.)

1 Trifolium —

2 Heuchera —

3 Hypericum Scouleri C & S

4 Saxifraga ~~punctata~~ arguta D. Don.

5 Draba corrugata Wats

6 Pyrola pallida Greene

7 " picta Smith

8 Lotus oblongifolius Torr

9 Athyrium filix-femina (L) Roth
var. californicum Butters

10 Actaea spicata var arguta Torr

11 Hieracium albiflora
fls. yellow

12 Hieracium albiflorum Hook
fls. white

July 15, 1924

Lost Creek, wet banks		7000 ft
"	"	7300
"	dry rocky bank	7000
"	wet banks	7200
"	"	7500
"	dry shaded slopes	7800
"	dry slopes, under pines	8000
"	" "	8000
"	wet banks	7500
"	"	7000
"	"	7000
"	dry stony slopes	7000
"	on same slope with 861	

8613 Epilobium ursinum Parish

14 Hemizonia Wheeleri Gray

15 Alnus rhombifolia bernardina M & J

16 Amelanchier alnifolia Nutt

17 Ceanothus —

---

18 Lepidium —

19 Oxytheca —

20 Poa —

21 Senecio

22 Gayophytum —

23 Eriogonum saxatile Wats

24 Castilleja montana —
yellow form
several plants with

July 15

Lost Creek, wet banks		7200
"	, dry slopes	6700
"	, along stream	7000
South Fork, ridge trail		6500
"	"	6700

July 16

Santa Ana R.	; dry banks	6300
" "	; above Big Meadows; under pines	7200
" "	" ; rocky north slope	7500
" "	" ; infrequent on hillsides	7500-8000
" "	" ; along canyon	7500
" "	" ; single plant under pines	7900
" "	" along stream	7800

the red

8625 Castilleja ~~montana~~ —
red form

26. Selaginella Watsoni Underw.

27 Amelanchier alnifolia Nutt

28 Pellaea mucronata
var californica (Lemmon)

29 Galium —

30 Tetradymia canescens (DC) Hall
shrub 3 ft. high

31 Erigeron ~~concinnus~~ var
aphanactis Gray

32 Koeleria cristata

33 Gilia virgata ~~Steud.~~ sapphirina

34 Aster —

35 Lupinus excubitus var. Johnstoni Smith.

36 Calochortus Nuttallii Torr

37 Stipa Parishii Vasey

July 16

with 8624

Santa Ana River above Big M,
rocky places 7900
" " frequent dry slopes 8000
" " ; infrequent about rocks 7800?
" " along divide bet North Fork
of Mission Creek; rocks 8100
divide ; Rocky places; frequent 8100?
" ; frequent on crest 8100
" ; dry slopes under pines 8100
" frequent 8100
" single plant 8100
" ~~abundant~~ on 8100
Mission Creek side
" ; frequent in pines 8100
canyon above Big Meadows 7800
~~frequent in~~
rocky places under pines

8638 Phoradendron —

39 Heuchera —

40 Hieracium horridum Fries

41 Populus —

42 ~~Stellaria~~ Oenothera —

43 Astragalus —

44 Penstemon labrosus (Hook)

45 Thalictrum —

46 Urtica —

86 47 Argemone —

48 Arctostaphylos patula Greene

49 Gilia —

50 Monolepis spathulata Gray

canyon above Big M.;	on Abies	7800
"	" ; rocky ledge; common	7600
"	" ; " "	8000
"	" , stream sandy bank	7300
Big Meadows;	sandy place in wet meadow	7100
Santa Ana R.,	sandy bench	6300
do	do	do
Big Mead.		
	dry edge	7000
Big Mead.	dry creek edg	7000
canon above Big Mead.	dry sandy bank	7300
do	dry slope	7500
do	dry sandy banks	7300
do	wet sandy creek bank	7300

8651 Calochortus —

52 Taraxacum californicum M & J

53 Stellaria longipes Goldie

54 Radicula —

55 Aster —

56 Erigeron lonchophyllus Hook

57 Alnus rhombifolia var bernardina M & J

8658 Sarcodes sanguinea Torr

Sidalcea Hickmanii Parishii
Corolla pale pink strongly with intricate white venation
Styles 7, not capitate
Stamens in two series pubescent, glandular; outer of 4-5 stamens; inner ones
Style united to below middle
Carpels 6-8, single ovule
seeds black; dull

July 16

cañon above Big Meadows		7200
Big Mead	meadow	7100
do	meadow	7100
do	in slow streamlet	7100
do	meadow frequent	7100
do	meadow "	7100
cañon above Big Meadow up to		7300
do	under pines	7500

obcordate

staminal tube sparsely stellate-
series of stamens of 5 reflexed groups
numerous.
le
basally attached, ascending

8659 Gilia densifolia Benth

60 Sidalcea Hickmanni
var. Parishii Robins.

61 Cuscuta —

62 Phacelia brachyloba Gray

63 Gilia —

64 " —

65 Gayophytum —

66 Lotus —

67 Oenothera —

68 Mentzelia —

69 Alnus rhombifolia bernardina
Trees. 50 ft high M & J

70 Rubus leucodermis ~~Dougl~~

71 Alnus rhombifolia Nutt
var. bernardina M & J

July 17

1 mi w. of Barton Flats, disturbed area on roadside

do; recent burn in chaparral

" on ~~sodden~~ coppice shoots of a shrubby Quercus on burn in chaparral

" burn " "

" " " "

" " " "

" " " "

" " " "

" " " "

Foxesee Creek, along stream in deep canyon

" , dry shaded bank

first canyon east of Barton Flats
Hathaway Creek

8672 Iris Hartwegi Baker
var. australis Parish

73 Silene verecunda platyota (Wats)
Heps

74 Trifolium —

75 Scutellaria angustifolia Nutt

76 Rumex salicifolius Weinm

77 Veratrum californicum Dur

78 Acer Negundo L. var
californicum Sarg

79 Alnus rhombifolia Nutt

80 Agrimonia gryposepala Wallr

81 Boykinia rotundifolia Parry

82 Ribes Roezli Regel

83 Conium maculatum L.
6-8 ft high
mousy odor

July 17

Barton Flats, dry shaded slope under oaks

with 8672

Barton Flats, wet meadow

single plant

" , with 8672

" wet meadow

" "

Oak Glen

common along streams & in damp places

Mill Creek; mouth, along stream

Oak Glen; common in wet places on west side of Oak Glen

with 8680

" "

" "

8684 Alnus rhombifolia Nutt

85 Prunus virginiana
var. demissa Sarg

86 grass —

87 Polygonum Convolvulus L

88 Rhamnus californica
var. tomentella Brew. & Wats.

89 Quercus Kelloggii Newb.

90 Convolvulus —

91 Psoralea orbicularis Lindl

92 Verbascum Thapsus L

93 Equisetum Telmateia L

94 Epilobium —

95 Scirpus —

96. Thalictrum —

97 Polygonum Persicaria L.

July 17

Oak Glen   with 8680

"   drier spots in valley floor

"   with 8680

"   " , roadside

"   dry valley floor

"   "

San Bernardino, swamp, 2 miles s.e. of town

with 8690

Beaumont road
~~Oak Glen~~, 2 mi ~~so~~ of Oak Glen moist roadside

common. 1 mi so of Oak glen great masses, swampy ground

with 8693

"   "

"   "

"   "

8698 Nepeta Cataria L.

99 Amorpha californica Nutt

8700 Physalis

July 17

Oak Glen with 8693

" ¼ miles so of O.G.

" with 8680 dry slope

Munz & Johnston

8701 Amelanchier alnifolia Nutt

2 Galium —

3 Zauschneria —
clammy

4 Rust on Thalictrum

5 Arceuthobium campylopodium Engelm
on Pinus Coulteri

6 Quercus —

7 Cuscuta —
on sucker shoots of Quercus, Prunus

8 Angelica —
common on north slopes

9 Mentha —

10 Lonicera hispidula var. vacillans Gray

11 Eriogonum —

12 Tetradymia comosa Gray

13 Corethrogyne filaginifolia var. rigida Gray

14 Stachys albens, Gray

July 26, 1924
San Jacinto Mts

Banning Road to Idyllwild 5000 ft

small ravine ~~north~~ Dark Canyon

dry slope with 8701

"

"

"

dry north-facing slope at head of grade
about 8 mi from Banning 4500 ft

with 8706

"

moist soil, valley, about 7 mi from
Banning 3500

dry chaparral on slope south of Banning 3200

dry roadside in chaparral 3200

" "

" "

roadside swamp bet. San Bdno & Redlands

8715 Mentha

16 Monardella lanceolata Gray

17 Scutellaria angustifolia Pursh.

18 Corethrogyne —

19 Erigeron foliosus Nutt

20 Frasera Parryi Wats

21 Monardella —

22 Erigeron foliosus Nutt
22a Eriogonum umbellatum Torr
23 Alnus rhombifolia Nutt

~~8724 Chimaphila umbellata Nutt~~

8725 Pyrola aphylla

8726 Castilleja —

27 Cystopteris fragilis (L.) Bernh

July 26

with 8714

Pine Flats Camp 5500 ft
dry flat under pines
"
"
"
"
"

Saw-mill, dry slope 5600

along stream, creek at Beckers 4500

July 27

Dark Cañon | under Coulter pines on ridge south cañon 7500 ft
Dark Cañon gravelly north-f. pine slopes 6500

do dry slopes 7500

do exposed rock crevices 7500

8728 Viola Macloskeyi Lloyd

8729 Lupinus latifolius

8730 Sambucus

8731 Epilobium angustifolium L.

8732 do rosseum Parish

8733 Thalictrum —

8734 Monardella australis Abrams

8735 Bromus —

8736 Eriogonum nudum Dougl

8737 Stellaria crispa C & S

8738 Philadelphus serpyllifolius Gray

8739 Monardella macrantha
var. pinetorum Hall

8740 Hieracium horridum Fries

July 27

Deer Spr	wet meadow	8200
do	rank clumps in 3-4 ft meadow lilac	8200
do	loose bush 8 ft high.	8200
do	along stream	8200
do	do	do
do	dry slope below Springs	8000
do	dry open rocky slope	8100
Dark Canon	dry slope under pine	7500
do	do	do
Deer Spr	meadow	8250
Dark Canon	single plant on ledge	7500
do	gravelly slope	7500
do	about cliffs	7500

8741 Juncus —

8742 Epilobium —

8743 Ericameria cuneata var spathulata Gray

8744 Pseudocymopterus? Parishii C&R.

8745 Phacelia —

8746 Selinum —

8747 Lotus grandiflorus (Benth)

8748 Silene verecunda var. platyota (Wats) Hpks

8749 Epilobium glaberrimum Barbey —

8750 Hieracium albiflorum Hook

8751 Lilium Parryi Wats —

8752 Cornus Nuttallii Aud.

8753 Chimaphila Menziesii Nutt

July 27

Deer fern	single plant in crevice by brook	8100
Dark Camas	few plants in shaded rock crevice by brook	7500
Dark Camas	in sunny rock crevices	7000
do	dry slope	7000
do	dry slope	7500
do	rank plant near stream	7200
do	dry slope under oaks	6500
do	dry slope	6500
do	along creek	6500
do	dry slope under pines	6500
do	along creek	6300
do	small trees in stream bottom	6500
do	under pines & oaks	6200

8754 Ribes nevadense? Kell. (sheet not numbered)

8755 Adenostegia —

8756 Juncus canaliculatus, Engelm

8757 Eriogonum apiculatum Wats

58 Carex yosemitana Bailey

59 " Bailey

60 ~~Potentilla~~ Bolanderi var Clevelandi (Greene) I

61 Selaginella Watsoni Underw.

62 Philadelphus —

63 Silene Parishii Wats.

64 Potentilla Wheeleri var rimicola
M v g

65 ~~Castinopsis~~ Habenaria

66 Veratrum californicum Durand

July 27

Dark Canyon	shrub along creek	6000
do	under pines	6000
do	clumps about rocks at stream edge	6200

Dark Canyon, locally abundant on dry ridge-crest 7000

Dark Canyon, ~~ridge~~ fairly dry, north-facing slope ~~cienega~~ near cienega 7500

with 58, but in cienega large clumps on coarse tussocks

Dark Canyon, edge of moist slope 7800

" , ~~abundant~~ single clump on north slope 7800

" north side of high rock 7900

" " "

" " "

lining crevices with Polypodium hesperium 8200

" wet meadow

" — Deer Springs, wet meadow "

8767 Pyrola dentata var integra Greene

68 Dodecatheon jeffreyi redolens Hall

69 Polygonum bistortoides Pursh

70 Carex —

71 Phleum alpinum L

72 Lupinus formosus var. hyacinthinus
fls. pale lavender; habit erect

73 Juncus —

74 Hulsea vestita var.
callicarpha (Wats) Hall

75 Pentstemon Bridgesii Gray

76 Calochortus —

77 Cystopteris fragilis (L.) Bernh

78 Polypodium vulgare
var. hesperium (Maxon) Nels & Macbr

79 Epilobium ursinum Parish

80 Phoradendron pauciflorum Torr

July 28

Dark Canon dry slope just below Deer Springs 8000

Deer Springs, clumps in wet meadows 8200

" , wet grassy banks of creek 8200

Deer Springs, creek bank 8100

" " "

" , dry gravelly bank 8200

" , single colony in wet rock-crevice by stream 8200

Dark Canyon

dry slope under pines 7500

" " 8000

" " 7500

" about rocks along stream 6800

" no side of rocks 7200

" along creek 5700

" on Abies, dry slope 7500

8781 Trifolium —

82 ~~Bleph~~ ~~Strept~~anthus —

83 Juncus —

84 Briza —

85 Agrostis —

86 Carex —

87 Rhododendron occidentale Gray

88 Deschampsia —

89 Castinopsis sempervirens (Kell.) Dudley

90 E~~vo~~onymus Parishii Trelease

91 Pyrola picta Smith

92 Senecio triangularis Hook

93 Epipactis gigantea Dougl

94 Athyrium filix-femina var. californicum Butters

July 27

Dark Canyon, creek banks		7000
"	dry slopes, under oaks	6000
"	single plant in rock-crevice by creek	6200
"	along stream	7000
"	wet sand along stream	6500
"	stream-banks forming dense clumps	5300
"	common along stream	6000
"	along stream	6500
"	dry slopes	8000
"	frequent along stream	5300 – 6500
"	dry slopes on north slope	8000
Deer Springs, local stream banks		8200
Dark Canyon, occasional "		7000
"	common " "	7000

8795 Pterospora andromedea Nutt

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96 Arctostaphylos drupacea (Parry) Macbr
97 Lotus Davidsoni Greene
98 Quercus chrysolepis Liebm.
99 Libocedrus decurrens Torrey
8800 Juncus rugulosus Engelm
1 " canaliculatus Engelm
2 Grass —
3 Stachys —
4 Castilleja →
5 Mimulus moschatus var. longiflorus Gray.
6 Hypericum formosum HBK
7 Gnaphalium beneolens Davids

July 27

Dark Canyon; floor of dry pine & oak forest 6000

July 28

Pine Flats camp. common dry gravelly slopes 5700
with 96

~~along~~ Pine Flats, north-facing " 5700

" " "

wet bank below spring, Pine Flats "

" " "

" (Sandy) " "

" " "

shaded semi dry slope "

wet banks below spring "

" " "

dry bench under pines "

8808 Cordylanthus —

9 Potentilla Bolanderi var. Clevelandi (Greene)

10 Koeleria cristata L

11 Epilobium ursinum Parish

12 " glaberrimum Barbey

13 Phoradendron —

14 Epicampes —

15 Carex yosemitana Bailey

16 Agrostis ; —

17 Carex —

---

18 Boisduvalia densiflora, Wats.

Idyllwild Road, 5 mi. so. east of

19 Lepidium intermedium, Gray

20 Gilia liniflora, Benth

21 Gnaphalium palustre L

July 28

Pine Flats, under pines 5700

" " "

" " "

" along wet place "

" " "

" on Quercus Kelloggii "

" dry banks of stream "

" wet " "

" " sand " "

" " " "

July 29

[…]ast of Poppet Flats, along small stream

" dry gravel flat

" "

" wet gravel bank

8822 Polygonum aviculare L. 5 mi. so. east of

23 Oenothera Hookeri T.&G.

24 Euphorbia hirtula Engelm

25 ~~Calandrinia~~ Calyptridium Parryi, Gray

26 Castilleja ~~montana, Engel.~~ stenantha Gray

27. Collomia grandiflora. Benth

28 Gilia achilleaefolia Benth

29. Juncus rugulosus Engelm.

30 Epilobium californicum Haussk.

31 Stachys bullata, Benth.

32 Woodwardia Chamissoi, Brack

33 Datisca glomerata (Presl) B&W.

34 Gnaphalium Chilense, Spreng

35 Scrophularia californica, Cham.

July 29.

east of Poffet Flat, wet sandy bank of small stream

" " "

" dry ~~roadside~~ bank

" dry roadside bank

" bank of stream

" dry bank "

" dry flat

6 mi so. east " ; springy hillside

" "

" "

" "

" "

" "

" edge "

8836 Zauschneria

37 Gilia densifolia, Benth.

38 Scutellaria angustifolia, Pursh.

39 Antirrhinum Coulterianum Gray. roadside

40 Erigeron foliosus var. stenophyllus (Nutt.) Gray

41 Gilia ~~glandulosa~~ glutinosa (Benth.) Gray ?

42 Mentzelia dispersa Wats. = M. pinetorum (Heller) Abr.

43 Eremocarya lepida (Gray) Greene

44 Gilia ciliata Benth.

45 Mimulus Fremontii (Benth.) Gray
skunky odor

46 Sphaerostigma
petals lance-attenuate
one plant seen

47 Sphaerostigma
petals broad

48 Nemacladus ramosissimus
var. gracilis (Eastw.) Munz

July 29

6 mi so.e. Poppet Flat, burn of 2 yrs age

with 8836

"

in chaparral 7 mi so.e. Poppet Flat

"

with 8836

"

"

"

"

"

"

"

8848 (a) Phacelia —

49. Mimetanthe pilosa (Gray)

50 Gayophytum —

51 Stephanomeria —

52 Lotus Heermannii Greene
forming great mats on

53 Lonicera subspicata
var. Johnstoni, Keck ined. 1935

54 Oxytheca caryophylloides Parry

55 Arctostaphylos drupacea (Parry)
old plants erect; killed by fire

56 Ceanothus divaricatus Nutt

57 Oxytheca emarginata Hall

58 Corethrogyne —

59 Arctostaphylos —
several stemmed, 3-4 ft. high
spreading

60 Adenostoma fasciculatum H. A

July 29

with 8836

roadside 〃

〃 〃

burn 〃

〃 〃

〃 〃

〃 〃

〃 〃

seedlings frequent

〃 〃

disintegrated granite on roadside
near Poppet Flat

dry flat 5 mi so. east of
Poppet Flat

common in chaparral above 〃 〃 4000 ft

〃 〃 〃

8861 Ceanothus perplexans Trelease —

62 Cercocarpus —

63 Quercus dumosa Nutt.

64 Tetradymia comosa Gray

65 Fraxinus dipetala H. A

66 " oregana Nutt
large trees 40 ft.

67 Prunus demissa Walp

68 Alnus rhombifolia Nutt.

69 Fraxinus oregana Nutt.

70 Garrya pallida Eastw

71 Arctostaphylos drupacea (Parry) Macbr

72 Quercus Wislizeni A. DC

73 Eriodictyon crassifolium Benth

74 Helianthus gracilentus Nutt

July 29

with 8859

"

"

San Gorgonio Canyon north of Banning; dry slope 3500 ft

" common " 3500

" , Camp Comfort, 4500

dry canyon bottom

" " " "

" " along stream "

" dry canyon bottom 3700

" " 3500

with 8859

"

" 3500

" , roadside

8875 Prunus ilicifolia Walp.

76 Arctostaphylos glauca Lindl
green form

77 " glauca Lindl.

78 " pungens HBK.

79 Stephanomeria —

80 Hemizonia —

81 Eriogonum fasciculatum
var. polifolium (Benth) T & G

82 Rosa —

83 Chlorogalum pomeridianum
(Ker) Kunth

84 Quercus agrifolia Nee

85 Scirpus —

86 Acacia Greggii Gray

87 Franseria tenuifolia Gray

88 Sambucus —

July 29.

with 8859

Lone Oak Ranch 3400
canyon chaparral
dry slopes " , Popper Flat

with 8876

dry slope, clearing in chaparral 3100

" ,

with 8876

canyon bottom "

dry roadside with 8876

canyon bottom "

" "

dry valley floor, Banning

roadsides "

with 8884

July 29

8889 Platanus racemosa Nutt with 8884
90 ~~Holcus~~ halepensis L bank small stream in alkaline f
91 Scirpus — with 8890
92 Cyperus 6-8 ft high — "
93 Atriplex — alkaline f
94 " — "
95 " — "
96 " — bank of ditch in "
97 Xanthium annual — with 8890
98 Epilobium — gravelly banks "
99 Agrostis — " "
8900 grass — " "
1 Scirpus campestris Britton " "
2 Hemizonia pungens (H.&A.) T.&G. alkaline flat
3 grass gravelly banks of stream
4 Leptochloa imbricata Thurb " "
5 Chenopodium ambrosioides L "
6 Melilotus alba L " "
7 Echinochloa Crusgalli (L.) Beauv. " "
8 Polygonum lapathifolium L " "
9. Suaeda Moquinii Greene dry alkaline flats
10 " "

89 11 Sedum niveum Davidson frequent on rocks, Lost Creek, San Bdno. Mts. 7200 ft, July 15
12 Alnus rhombifolia Nutt. probably along Central where upper Santa Ana Road joins it, near S

Antirrhinum

Martha Hilend
406 Oak St.
Anaheim
412 Oak St.

Coulterianum & Orcuttianum

flat near Loma Linda — look up type of Gray's "
" " " " " Nevinianum

both are much like Benth's Coulteri.

flat " — C. supposed to have upper lip much smaller than lower, O. about equal, N. a seed-difference.

Bot. Gaz 1884, p. 53.

Take along our # 7967 & 8025

See type of filipes. Cf. with Cooperi

A. Nuttallianum
var. effusum
A. subsessile
A. vagans
A. pusillum (cleistogamous)

Types
length of petioles,
peduncles,
pubescence
fl. size
seeds

A. pusillum Brandegee (have had no description nor references)

UC Pub Bot 6:360.

Seven Oaks, July 18

V - 1427

You	We
40	
50	
250	
16	
30	30
250	28
300	18
36	36
18	150
27	9
30	
20	28
10	
36	
16	
60	

8455
8191
264